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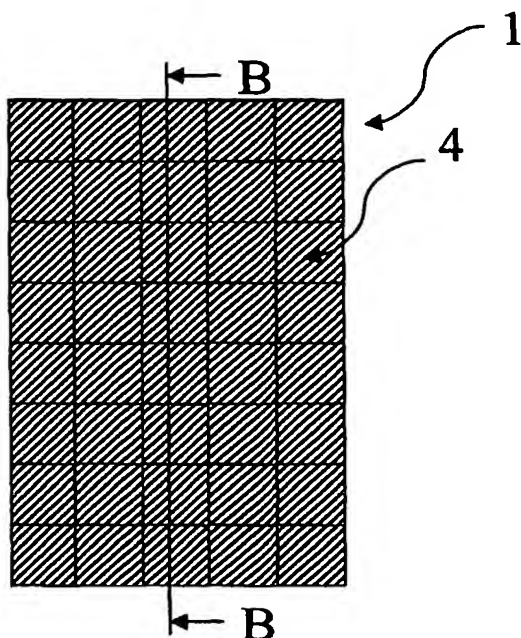
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(54) Title: FABRIC FOR PROTECTIVE GARMENTS



(57) **Abstract:** The present invention relates to a heat, flame, and electric arc resistant fabric (1) for use as single or outer layer of protective garments. The fabric (1) of the invention comprises at least two separate single plies which are assembled together at predefined positions so as to build pockets (4). The fabric (1) of the invention is made of materials independently chosen from the group consisting of aramid fibers and filaments, polybenzimidazol fibers and filaments, polyamidimid fibers and filaments, poly(paraphenylene benzobisaxazole) fibers and filaments, phenol-formaldehyde fibers and filaments, melamine fibers and filaments, natural fibers and filaments, synthetic fibers and filaments, artificial fibers and filaments, glass fibers and filaments, carbon fibers and filaments, metal fibers and filaments, and composites thereof. Due to its peculiar structure, the fabric (1) according to the present invention can have a specific weight which is considerably lower than that of known fabrics having comparable mechanical and thermal properties.

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